TrueVision

SmartImage

SmartContrast

Built-in Speakers

USBConnectivity

SmartErgoBase

VGA dvi DualInput

HDCP ready

CERTIFIED FOR
Windows Vista™

Ergonomic business display
for higher productivity

Larger, better widescreen business display:delivering the best ever LCD picture quality, compact ergonomic base for better viewing position, built-in sound, Vista-ready, Eco-friendly design, the Philips Brilliance 220BW9 is ready to get the job done.

Designed for maximum productivity
- Big, wide screen ideal for viewing two A4 pages side by side
- TrueVision ensures top quality LCD display is delivered to you
- Empowered for Windows Vista

Outstanding front of screen performance
- SmartImage: For an optimised display experience
- SmartContrast: Dynamic, optimised contrast for visual clarity

Great convenience
- Built in stereo audio for a clutter-free desktop
- USB port for convenient peripheral connections
- Tilt, swivel and height-adjust for an ideal viewing position
- Dual input accepts both analogue VGA and digital DVI signals
- Hassle-free display performance tuning with SmartControl II
- Auto picture format control switching in wide and 4:3 format

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sense and simplicity

LCD widescreen monitor
22" wide WSXGA+

Specifications

Picture/Display

- LCD panel type: 1680 x 1050 pixels, Anti-glare polariser, RGB vertical stripe
- Panel Size: 22"/55.9 cm
- Effective viewing area: 474 x 296 mm
- Pixel pitch: 0.282 x 0.282 mm
- Brightness: 300 cd/m²
- Contrast ratio (typical): 1000:1
- SmartContrast ratio (dynamic): 10000:1
- Display colours: 16.7 M
- Viewing angle: 160° (H)/160° (V), @ C/R > 10
- Response time (typical): 5 ms
- Maximum Resolution: 1680 x 1050 @ 60 Hz
- Recommended Resolution: 1680 x 1050 @ 60 Hz
- Horizontal Scanning Frequency: 30 - 83 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- Aspect ratio: 16:10
- sRGB

Connectivity

- Signal Input: Analogue (VGA), DVI-D, PC Audio in
- USB: 1 x USB 2.0
- Video Sync Input Signal: Composite Sync, Separate Sync, Sync on Green
- Audio output: Stereo Audio (3.5 mm jack) 1 x

Convenience

- Built-in Audio: 1.5 W x 2
- Convenience Enhancements: On-screen Display, SmartControl II, SmartManage enabled, Picture format selection
- Monitor Controls: SmartImage, Auto (Back), Volume control (Down), Brightness (Up), Menu (OK), Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Spanish, Portuguese, Simplified Chinese
- Other convenience: Kensington lock compatible
- Plug & Play Compatibility: DDC/CI, sRGB, Windows 98, Windows 2000, Windows XP, Windows Vista, Mac OS X
- Regulatory Approvals: CE Mark, Energy Star, FCC Class B, SEMKO, TCO '03, TÜV/GS, TÜV Ergo, UL/cUL
- Tilt: -5° to 20°
- Swivel: +/-45°
- VESA Mount: 100 x 100 mm

Dimensions

- Box dimensions (W x H x D): 562 x 480 x 168 mm
- Box dimensions in inch (W x H x D): 22.1 x 18.9 x 6.61 inch
- Set dimensions (W x H x D): 502 x 346 x 58 mm
- Set dimensions in inch (W x H x D): 19.8 x 13.6 x 2.26 inch
- Set dimensions with stand (W x H x D): 502 x 446 x 228 mm
- Set dimensions with stand in inch (W x H x D): 19.8 x 17.6 x 8.98 inch
- Height adjustment range: 70 mm
- MTBF: 50,000 hrs
- Relative humidity: 20% - 80%
- Temperature range (operation): 0°C to 40°C
- Temperature range (storage): -20°C to 60°C
- Product weight (+stand): 5.12 kg
- Product weight (+stand) (lb): 11.3 lb
- Weight incl. Packaging: 6.8 kg
- Weight incl. Packaging (lb): 15.0

Electricity

- Complies with: Energy Star
- Consumption: < 45 W (Typical)
- Consumption (economy mode): 34 W
- Off Mode: < 0.8 W
- Power LED indicator: Operation - Blue, Stand by/ sleep-blue (blinking)
- Power supply: Built-in, 100-240 VAC, 50/60 Hz

Product highlights

Widescreen
A big, widescreen display that improves productivity by displaying two A4 pages side by side.

TrueVision
TrueVision is an industry leading, proprietary Philips testing and algorithm technology for the adjustment and fine-tuning of monitors, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements, for each monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of colour accuracy and display quality in every new monitor.

Windows Vista-ready
Philips Vista-ready monitors are empowered for vibrant, exciting display of this new, visually sophisticated and demanding Windows operating system, designed to enhance your entertainment experience, make you more productive and help you control your computing experience at home and in the office, making viewing, finding and organising information for work or play quick, efficient and easy.

SmartImage
SmartImage is an exclusive leading-edge Philips technology that analyses the content displayed on your screen. Based on a scenario you select, SmartImage dynamically enhances the contrast, colour saturation and sharpness of images and videos for ultimate display performance - all in real time and at the press of a single button.

SmartContrast
SmartContrast is Philips technology that analyses the contents you are displaying, automatically adjusting colours and controlling backlight intensity to dynamically enhance contrast for the best digital images and optimum contrast for better entertainment when viewing videos or playing games where dark hues are displayed; when you select the Economy mode, contrast is adjusted and backlighting fine-tuned for just-right display of everyday office applications and lower power consumption.

Built-in stereo audio
A pair of high quality stereo audio speakers built into a display device.

USB 2.0 port
The universal serial bus or USB is a standard protocol for linking PCs and peripherals. Since it delivers high speed at a low cost, USB has become the most popular method for connecting peripheral devices to a computer. A port located on a monitor directly in the user's line of sight provides easy, high-speed connectivity for USB devices at a convenient location. (USB 2.0 support is dependent on your PC's USB configuration; when connected to a PC that supports USB 2.0, your monitor is USB 2.0 compatible)

Compact Ergo Base
The Compact Ergo Base is a 'people-friendly' Philips monitor base that tilts, swivels and height-adjusts so each user can position the monitor for maximum viewing comfort and efficiency.

Dual input
Dual input provides connectors to accommodate input of both analogue VGA and digital DVI signals.

SmartControl II
SmartControl II is monitor-based software with an easy-to-use on-screen graphic interface that guides you through fine-tuning resolution, colour calibration and other display settings including brightness, contrast, clock & phase, position, RGB, white point and - on models with onboard speakers - volume adjustments.

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